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~~8~~ 7. The computing arrangement of Claim ~~7~~ 6 wherein the network component layer and software component architecture layer comprise means for embedding components within one another to form a compound document having mixed data types and formats. ~SUM (4)

9. The computing arrangement of Claim 8 wherein the network component layer further comprises application programming interfaces that facilitate communication among the components to ensure integration with the software component architecture layer.

10. The computing arrangement of Claim 9 wherein the application programming interfaces comprise means for constructing a network navigation component representing a resource available on the computer networks.

11. The computing arrangement of Claim 9 wherein the application programming interfaces comprise means for constructing a network navigation component that implements a protocol.

12. The computing arrangement of Claim 9 wherein the application programming interfaces comprise means for constructing a network navigation component that provides additional functionality to existing computing components to enable communication among the components.

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~~13~~ 10. The computing arrangement of Claim ~~12~~ 9 wherein the computing component comprises a computing part having a viewing editor and data content.

~~14~~ 11. The computing arrangement of Claim ~~13~~ 10 wherein the computing component functions to one of transfer files over the networks, remotely log

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onto another computer coupled to the networks and view images on a screen of the computing arrangement.

15. The computing arrangement of Claim 13 wherein the network navigation component comprises a browsing component.

16. The computing arrangement of Claim 13 wherein the network navigation component comprises a component for one of displaying text and displaying movies on a screen of the computing arrangement. DETD 12, 41

17. A method for providing network information services to a user of a computer system coupled to computer networks, the method comprising the steps of:

controlling operations of the computer system with an operating system coupled to a software component architecture of the system;

integrating a network component layer of the computer system with the software component architecture to provide a cooperating component computing arrangement;

creating a plurality of network navigation components using the cooperating component computing arrangement; and

invoking a selected one of the created network navigation components to provide a selected network service that enhances the ability of the user to access information on the computer networks.

18. The method of Claim 17 wherein the cooperating component computing arrangement allows one of replacing and extending the selected network navigation component without affecting operation of the computer system.